

Abstract

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Sub. B53> The invention is based on a heat exchanger (10) between a cooling circuit and
an exhaust-gas line of an internal combustion engine that comprises a coolant
inflow (26) and a coolant return (28) for coolant ducts (14), as well as an exhaust-
gas inlet (30) and an exhaust-gas outlet (32) for exhaust-air ducts (36).

It is proposed that it is arranged in a main exhaust-gas flow (34), and that a
shutoff device is provided in the coolant inflow (26).

TOPT 29560

Reference Symbols

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|----|-----------------------|----|----------------|
| 10 | Heat exchanger | 54 | Line |
| 12 | Control unit | 56 | Bypass line |
| 14 | Coolant duct | 58 | Shutoff device |
| 16 | Gas reservoir | 60 | Signal line |
| 18 | Connecting line | | |
| 20 | Shutoff device | | |
| 22 | Actuator | | |
| 24 | High point | | |
| 26 | Coolant inflow | | |
| 28 | Coolant return | | |
| 30 | Exhaust-gas inlet | | |
| 32 | Exhaust-gas outlet | | |
| 34 | Main exhaust-gas flow | | |
| 36 | Exhaust-gas duct | | |
| 38 | Arrow | | |
| 40 | Arrow | | |
| 42 | Signal line | | |
| 44 | Signal line | | |
| 46 | Interior space | | |
| 48 | Face | | |
| 50 | Face | | |
| 52 | Line | | |

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